

Title (en)
Spring clutches and winders having clutches

Title (de)
Federkupplungen und Spulenhülsen mit Kupplungen

Title (fr)
Embrayages à ressort et bobinoirs avec embrayages

Publication
EP 0479544 B1 19960522 (EN)

Application
EP 91308966 A 19910930

Priority
JP 26589390 A 19901002

Abstract (en)
[origin: EP0479544A2] A fixed torque spring clutch has coaxial first and second rotors (110,111) and the torque of the first rotor (110) is transmitted to the second rotor (111) by a coil spring (114). The coil spring (114) is arranged on or in a shaft section (112) forming part of one of said rotors (110,111) and engagement means (118) for the spring are provided on the other rotor (110,111). The coil spring (114) has a first clamping section (A) for clamping said shaft member (112) with prescribed clamping force and a second clamping section (B) circumferentially spaced from the corresponding part of said shaft member (112). Both ends (115,116) of said coil spring (114) are caught by said engagement means (118) in a clamping state thereof. <IMAGE>

IPC 1-7
F16D 7/02; **G11B 15/50**

IPC 8 full level
F16D 7/02 (2006.01); **F16D 43/20** (2006.01); **G11B 15/32** (2006.01); **G11B 15/50** (2006.01)

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F16D 7/022 (2013.01 - EP US); **F16D 19/00** (2013.01 - KR); **G11B 15/32** (2013.01 - EP US); **G11B 15/50** (2013.01 - EP US); **E05Y 2201/49** (2013.01 - EP US); **E05Y 2800/205** (2013.01 - EP US); **E05Y 2800/22** (2013.01 - EP US)

Cited by
US5620372A; US2021396062A1; US5947409A; US6398434B1; US10743723B2; US11311152B2; US10952570B2; US11723496B2

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